

## ABSTRACT OF THE DISCLOSURE

A circuit to monitor electrical continuity through a light bulb when the light bulb is switched off, and to monitor proper functioning of the light bulb when the bulb is switched on. The circuit comprises a LED, a relay and a latching circuit portion, said latching circuit portion configured to remain latched thereby applying power to the bulb and the relay only  
5 when the bulb is switched on and lit, and said relay having a pair of normally closed contacts connected to provide an alternative path of minimal resistance to ground for low voltage applied to an incoming side of the LED, and said relay also having a pair of normally open contacts which when closed allow voltage to be applied to the outgoing side of the LED, thereby resulting in the LED lighting when and only when, the light bulb is broken. Most  
10 preferably the latching portion of the circuit comprises a silicone controlled rectifier having a trigger circuit portion configured to pulse the gate when a switched light power control line is energised. The switched light power control line is connected to the anode and a coil of the relay, and the cathode is connected to one of the normally closed contacts of the relay and to the light bulb.